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IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of processing medical image data to determine a prognosis of recovery, comprising:

obtaining segmented image data of a portion of the medical image data corresponding to an abnormality;

extracting at least one abnormality feature from the segmented image data corresponding to the abnormality; and

determining the prognosis of recovery based on the extracted at least one abnormality feature, wherein the prognosis of recovery includes an indication of the likelihood of survival of a subject, wherein said determining step includes

applying the at least one abnormality feature to a classifier trained in relation to said at least one abnormality feature obtained from at least one set of previously obtained medical data including medical image data and a set of truth indicators, the set of truth indicators including at least one of lymph node involvement, presence of metastatic disease, and presence of local recurrence.

2. (Previously Presented) The method of claim 1, further comprising:

obtaining segmented image data of a portion of the medical image data corresponding to a parenchymal region; and

extracting at least one parenchymal feature from the segmented image data corresponding to the parenchyma region,

wherein the determining step comprises determining the prognosis of recovery based additionally on the extracted at least one parenchymal feature.